

**Notice of Allowability**

Application No.

09/838,376

Examiner

Maikhanh Nguyen

Applicant(s)

ATKIN, STEVEN EDWARD

Art Unit

2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Appeal Brief filed 01/03/2006 & Applicant's amendments on 3/28/2006.
2. ☒ The allowed claim(s) is/are 1-24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

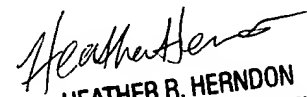
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- ☒ Notice of References Cited (PTO-892)
- ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☒ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
- ☒ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other \_\_\_\_\_

  
HEATHER R. HERNDON  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100  
Part of Paper No./Mail Date 20060323

***EXAMINER'S AMENDMENT & REASONS FOR ALLOWANCE***

**I. EXAMINER'S AMENDMENT:**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Robert H. Frantz (Reg. No. 42,553) on March 28, 2006.
3. **The application has been amended as follows:**

**A. Amendments to the Specification:**

On page 1, after the title, please insert the following paragraph:

**CROSS REFERENCE TO RELATED APPLICATIONS**

This application is related to U.S. Patent Application No. 09/838377, entitled "BI-DIRECTIONAL DISPLAY" filed 04/19/2001, which is incorporated herein by reference for all purposes in its entirety.

**B. Amendments to claims:**

**Claims 1 and 17 have been amended as follows:**

- (i) In claim 1, line 1, replace "A method" with --A computer-implemented method --
- (ii) In claim 17, line 1, replace "A system" with --A computer system --

**II. REASONS FOR ALLOWANCE:**

1. The following is an examiner's statement of reasons for allowance:
2. Formal drawings filed on April 19, 2001 are acceptable.
3. The prior art does not expressly teach or render obvious the invention as recited in independent claims 1, 9, and 17.
4. **Lincke et al.** (U.S. 6,379,259) teaches a method for providing metadata within a character stream for encoding into one or more metatags information regarding display rendering for at least one character in a character stream; inserting the tags into the character stream by spelling at least one tag identifier as described in independent claims 1, 9, and 17 [see col. 25, lines 41-56, col.26, lines 31-67, col.29, lines 11-52]. However, the claimed *"inserting one or more metatag separator characters between adjacent metatags if more than one metatag has been inserted without Unicode intervening between adjacent metatags, thereby producing a modified Unicode character stream"*

*having separator-delimited metadata embedded within it*”, when taken in the context of the claims as a whole, was not uncovered in the prior art teachings.

5. Nor were references uncovered that would have provided a basis of evidence for asserting a motivation that one of ordinary skill level in the art at the time the invention was made, knowing of a method for providing metadata within a Unicode character streams in this specific environment, would have integrated or modified to teach the method for providing metadata within a Unicode character streams with the specific features as recited in the context of independent claims 1, 9, and 17.
6. Dependent claims are allowed as they depend upon allowable independent claims.
7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

#### ***ADDITIONAL REFERENCES***

8. The Examiner as of general interest cites the following references:
  - Kumhyr            U.S. Pat. No. 6,493,735
  - Patel et al.        U.S. Pat. No. 6,944,820

- Alkin et al., "Implementations of Bidirectional Reordering Algorithms," Nov. 2000, Florida Tech Technical Report CS-2000-1, pp. 1-10."
- M. Mudawwar, "Multicode: A Truly Multilingual Approach to Text Encoding," IEEE, Vol.30, Issue 4, April 1997, pp. 37-43.

### ***CONTACT INFORMATION***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maikhanh Nguyen whose telephone number is (571) 272-4093. The examiner can normally be reached on Monday - Friday from 9:00am -- 5:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on (571) 272-4136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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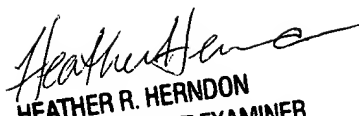
**Any response to this action should be mailed to:**

Commissioner for patents

P O Box 1450

Alexandria, VA 22313-1450

MN

  
HEATHER R. HERNDON  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100